IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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First Inventor: Shahin Farahani Art Unit: 2123

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Title: Compressed Vector-Based Spectral Analysis Method and System for

Nonlinear RF Blocks

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION MAILED JANUARY 10, 2008

This paper is submitted in response to the non-final Office Action mailed January 10, 2008.

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks and Arguments begin on page 6 of this paper.